

HERITAGE-WTI, INC. 1250 St. George Street East Liverpool, Ohio 43920-3400 Phone: 330-385-7337 Fax: 330-385-7813 Web Site: www.heritage-wti.com OHSAS 18001: 2007 ISO 14001: 2004 ISO 9001: 2008

May 18, 2012

To: Ohio Environmental Protection Agency

Re: Incident at Heritage - WTI, Inc. on December 17, 2011

During the recent months, we have investigated the incident of December 17, 2011, in order to thoroughly understand what happened and to prevent it from happening again at our facilities and other hazardous waste management facilities. Heritage – WTI, Inc (HWTI) has prepared the following summary from our internal investigation:

#### Summary of Incident and Waste Stream History

On Dec. 17, 2011, two employees were transferring the contents of a drum of waste into other, smaller containers to prepare the waste to be fed into the incinerator. During this repackaging procedure, the waste reacted violently. Both employees received severe burns. One employee was fatally injured. The other has been released from the hospital and is still recovering. Immediate suspension of this incineration preparation process went into effect until the investigation is completed. OSHA performed an on-site investigation.

The waste material involved in the violent reaction was shipped under a wastestream approval originally set up in 1999. The wastestream has always been received through an environmental broker. More than 1,000 containers of the approved wastestream have been processed without incident. The waste originally shipped as D001 for flammability. In 2007, the D001 was removed per request of the generator. There had been no indication of wastesteam changes from annual wastestream recertifications or other means since 2007.

#### Post-Incident Discoveries

Several facts came to light during our investigation with the broker and generator;

- The waste was not generated at the manifested generator's facility, but at the facility of a sister company in another state. This was the first and only shipment to HWTI under this profile that was not actually generated at the manifested generator's facility.
- The manifested generator's original intent was to recycle the material, but later decided against it.
- The original drums were not DOT-shippable, so they were overpacked into 85 gallon drums.
- The particle size of the waste was smaller than normal.

- The constituent range was significantly different from the wastestream information on file at HWTI.
- The drum that reacted on December 17 remained intact and had a "Spontaneously Combustible" label on it even though the outer overpack was labeled as "Flammable Solid."

#### **Root Cause**

Failure of generator, shipper and/or broker to fully understand and/or disclose the physical hazards and chemical composition of the waste stream.

- The wastestream shipped did not conform to the HWTI waste profile.
- The wastestream was identified as a non-hazardous waste, but was indeed hazardous for ignitability and reactivity.
- RCRA codes should have been D001 (flammability) and D003 (reactivity).
- Chemical composition variances of up to 50 percent from the approval the waste was shipped under.
- DOT shipping description was not correct and marking/labeling was inconsistent between inner and outer packaging.
- Material did not conform to our specified packaging guidelines (drum weight exceedence).

#### **Contributory Causes**

- Failure of generator to disclose that the December shipment was of a different nature and from a different generating location than previous shipments.
- Generator and shipper of waste classified and shipped waste in a manner that mischaracterized and/or masked the actual hazards.

#### **Corrective/Preventive Measures**

• HWTI has identified various corrective/preventive measures to address this specific incident and to prevent future incidents. These corrective/preventive measures cover various processes, beginning with the waste approval process to waste preparation processes. The primary objective of these corrective/preventive measures ensure HWTI has full disclosure of the known hazards of the waste stream and generating process from the waste generators so HWTI can make a determination as to whether the material can be handled safely at the facility prior to the waste arriving at the HWTI facility. Therefore, HWTI is in the process of implementing or has implemented significant changes to the waste approval process. HWTI has also completed a Process Hazard Analysis (PHA) of the waste preparation process. Again, HWTI is in the process of implementing or has implemented various changes to the waste preparation process as a result of the PHA. HWTI is in various stages of implementing corrective/preventive measures in an effort to prevent future incidents.

If you have any questions or wish to discuss this in greater detail, please feel free to call me at 330-386-2196.

Carrie L Beringer

Sincerely,

Environmental, Health, & Safety Manager

## CONFIDENTIAL

# (ist of containers on the trailer (remaining from incident)

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Shipments Received in ARTS

For Date 12/13/2011 to 12/13/2011

Date: 02/17/2012 Time: 08:15:32 printed on this date of

Authorization

Manifest

WStream PCod Quote

Pg Ln S Typ Size

Trk/Cont

Sample IdWt 1bs Gal

Waste Type

Page no: 1

Pick List

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### Shipments Received in ARTS For Date 12/13/2011 to 12/13/2011

Page no: 2

trailer list page 20-2

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† 1001368805

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CARRIER (Signature Required)

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PLEASE RENDER FREICHT BILLS TO:

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DESIGNATED FACILITY	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of the marked and labeled/placarded, and are in all respects in proper condition for transport ac Exporter, I certify that the contents of this consignment conform to the terms of the attach I certify that the waste minintzation statement identified in 40 CFR 262.27(a) (if I am a lad Generator's/Offeror's Printed/Typed Name  16. International Shipments	is consignment according to appliced EPA Acknowling quantity general from U    Expert from U    Sign   Sign	see fully and accurately of able international and nedgment of Consent. Fersion or (b) (if I am a smaller)  I.S. Port of o Date leaders  Manifest Reference  and recycling systems)	lescribed above tional government quantity gas introduced by the second	e by the proper shinental regulations. enerator) is true.	pping name if export shi	Mon / / 2	th Da	y
DESIGNATED FACILITY → TRANSPORTER INTL ←	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of the marked and labeled/placarded, and are in all respects in proper condition for transport at Exporter, I certify that the contents of this consignment conform to the terms of the attach I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I em a laid Generator's /Offeror's Printed/Typed Name    ANK	is consignment according to appliced EPA Acknowling equantity general from U    Expert from U    Sign   Sig	see fully and accurately of able international and nedgment of Consent. Fersion or (b) (if I am a smaller)  I.S. Port of o Date leaders  Manifest Reference  and recycling systems)	lescribed above tional government quantity gas introduced by the second	e by the proper shinental regulations. eneralor) is true.  Partial Rejo	pping name if export shi	Mon / / 2	th Dar	y jec



**GENERATOR INFORMATION** 

Name:

WAH CHANG

Address (site):

\*1600 OLD SALEM ROAD NE ALBANY, OR 97321-0460 UNITED STATES

Address (mail):

PAT MACAULEY P O BOX 460 ALBANY, OR 97321-0460 UNITED STATES

US EPA ID:

ORD050955848

State ID:

Regulatory Status:

LARGE QUANTITY

**Technical Contact:** 

FRANK HAMILTON

Phone:

(541)926-4211

Short Name:

**WCAO** 

**WASTESTREAM INFORMATION - GENERAL** 

Common Name:

NON FERROUS METAL FINES & METAL RESIDUE

Waste Class:

071 - WATER-REACTIVE, FLAMMABLE METAL POWDERS

Generating Process:

MACHINE CONDITIONING

**EPA Source Code:** 

G05 - METAL FORMING AND TREATMENT (PICKLING, HEAT TRE...

**EPA Form Code:** 

W307 - METAL SCALE, FILINGS AND SCRAP (INCL METAL DRUMS)

Physical State @ 70F: SEMI-SOLID

Odor:

Color:

Density:

LB/GAL .

Estimated

Annual Volume:

200000 LBS

Conditional Approval?: N

MANAGEMENT SYSTEM ASSIGNMENTS

TSD# Product Code - Desc

**Put Away Area** 

Process System - Desc

**Cont Type** 

15119 8074

SOL MIX NON MTL DRUM

GENERAL STORAGE

1251 FRONT WALL DF, DM

15119 8073

SOL MIX METAL DRUM A

GENERAL STORAGE

1251 FRONT WALL DF, DM

**EPA HAZARD CODES** 

None specified

STATE HAZARD CODES

None Specified



#### SAFETY INFORMATION

**HMIS Information** 

Description

**HEALTH** 

1 - SLIGHT HAZARD

FLAMMABLE

2@ - MODERATE HAZARD-WATER REACTIVE

REACTIVE

2 - MODERATE HAZARD

PPE

F2 - DUST RESP-NEOPRENE

\* = Carcinogen
@ = Water Reactive

#### COMMENTS

Type Text

IN on hold pending investigation

PΕ

APRON

PPE-F2

Ρί

THIS MATERIAL NEEDS PACKAGED IN 400 LB CHARGES WETTED WITH OIL.

IN-INTERNAL

PE - PROTECTIVE EQUIPMENT

PI - PROCESS INSTRUCTION

#### TRANSPORTATION INFORMATION

**Shipping Description:** 

RQ,UN3178,FLAMMABLE SOLID, INORGANIC, N.O.S.,4.1,PGIII,(HAFNIUM,

ZIRCONIUM),ERG#133

Label Codes:

4.1 - FLAMMABLE SOLID

COMMENTS

Type Text

LM NO SAMPLE REQD

LM - LABEL MESSAGE

#### **SURVEY RESPONSES**

#### PHYSICAL AND CHEMICAL PROPERTIES.

Question Flash Point	<u>Reply</u> 140 to <200	Question Boiling Point	Reply >100
BTU/LB, range, low value	3000	BTU/LB, range, high value	0008
PH, range, low value	3	PH, range, high value	12
Is the waste pumpable ?	NO	Will heat improve the flow?	NO
Is this a dust hazard ?	МО		

#### ADDITIONAL HAZARDS.

Question	Reply	Question	<u>Reply</u>
Air Reactive	МО	Asbestos	МО
Carcinogen	NO	Gas	NO
Dioxins, Furans, or pre-cursors	NO	Explosive	NO

Printed 12/19/2011 11:58 AM (ws\_survey\_vra.rdf) St1 - T1

Page 2

**BUSINESS CONFIDENTIAL** 



ADDITIONAL HAZARDS.

Reply Reply Question Question Lab Pack NO Infectious Agents NO NO Pyrophoric Oxidizer NO Shock Sensitive Radioactive NO

YES Water Reactive

ADDITIONAL REGULATORY INFORMATION.

Question Reply Reply Question Subject to Benzene NESHAP controls (40CFR61.340-358) ? Not Applicable NO PCBs ? (If Yes, specify range)

WTI

Reply Question Reply Question YES Miscellaneous Special Waste



#### **CHEMICAL CONSTITUENTS**

Using specific chemical names, list all constituents present in the wastestream. Attach available analyses or Material Safety Data Sheets (MSDSs). Total composition must equal or exceed 100%.

#### **TYPE - GENERATOR**

Constituents				Range	Result	<u>Units</u>	CAS#	EHS	ID#	Date
METAL RESIDUE/METAL F	NES	CONTAININ	G:	94 - 99		PERCENT				11-JAN-01
CUTTING OLD	· :,	974949V	Ve 1	1-4		· PERCENT;			~85.X	11-JAN-01
HAFNIUM	,			10 - 25		PÉRCENT	7440-58-6	•	• •	11-JAN-01
NIOBIUM	.A.		Öğ	10, 25	U-1884	· V PERCENT :	(4) (Melli		i de la compa	11-JAN-01
TITANIUM	,., .	SAME OF STATE		10 - 25	. "	PERCENT	7440-32-6	•		11-JAN-01
WATER	71.			0-2	/ 技管操	PERCENT		*		11-JAN-01(
ZIRCONIUM		r merskip miser	•	45 - 65		PERCENT	7440-67-7			11-JAN-01

EHS - Extremely Hazardous Substance CAS - Chemical Abstracts Service



#### Wastestream Survey

Wastestream 92796 - 1

**CONSTITUENT RANGES** 

 Constituents
 Range
 Result
 Units
 CAS#
 EHS? ID#
 Date

 ASH %
 -50
 50
 PERCENT
 NA
 19-OCT-99

 HEAT VALUE
 8000
 BTULB
 NA
 19-OCT-99

EHS - Extremely Hazardous Substance CAS - Chemical Abstracts Service

## Veolia ES Technical Solutions, L.L.C.

QVEULA

For Classoffication	W	iastestream inform	ROW		
	ADDRESS		CITY	Sï	Disposal Code
Manifest from - blank if	constant and control of the control	NATURAL PERMENTING AND SECURITY OF SECURIT	THE THE THE THE	GLICALITY AND	POURSONARD PROPERTY
VEOLIA TSDF request	ledTochnology requ	estedGenerator N	o. <u>437091</u> Gener	ator EPA ID	ORD05095584
i. Generator Name	WAH CHANG - NORTH	فالمرابعة إلى المرابعة المرابعة المرابعة المرابعة والمرابعة والمرابعة المرابعة المرابعة المرابعة المرابعة	Ge:	nerator Stat	6 #
	x 460 (1600 OLD SALEM F				
City ALBANY	电子电子电子 医马克 计存货 化二十二烷 电子电子 电电子电子 医皮肤	State OR	_Country_US	Zip .	973210460
	1ei NAICS Code _			•	
	Origin	•			
	ON-FERROUS METAL FIN				property and the annual state of the state o
3. Process Generali	ng <u>Machine condil</u>	oning, griding, honing,sav	<u>ing, and extrusio</u>	1	ئىلىدى دەرىكىيىنى ئىلىدىنى ئى
4. Shipping Name	<u>ELAMMABLE SOLID, INOF</u>	KGANIC nos			THE RESERVE PROCESSION OF THE PROPERTY OF THE
Hazard Class 🛕	LUNINA Number <u>UN3</u>	<u>178 PkgGrp III</u> Sub l	izds	na ma	Amt (lbs.) Q
RQ Desc:  1.	ر ما در الماروس و الم	j2.	i ja talutujujan usa ijiannyojuja piermeni antikulukulukulukulukulukulukuluk		oppopulation of the second Charlest Second S
DOT Dese: 1. ZIR	AANIII AA LIBPANII IAA		سيان والمستراة والمستراء والمستراة و		
5. Wasie Codes <u>N</u>	ME			·	man de production de la companya de
Wastewater (V/H)	N_Sub-Catagory	· ·	ىنىدە ئەسىرىيەت ئەرىكىدىنىدىنىدىنىدىنىدىنىدىنىدىنىدىنىدىنىد	كالارتضادة المستناع أمار مردوعين ولوساء	den en personale en entre en
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6. Physical and chem	_				rames of a . DOGS
•		lash Point (F) Lo <u>140</u>	Water Solubilit		MOE OIGHTS
pH Hi 9 Spe	ecific Gravily Hi 4 F	lash Point (F) Hi <u>200</u> .	Water Solubilit	A 881 0	1994. IN MUTE
Solids:				n 1 19 1	turista tota ta a
· <del>-</del>	Settleable (%) Lo_0	i	i	· ·	
Suspended Mi 0	Settleable (%) HL_A_	Diazonsa (2) Mi Tr	.   % ASN MI	,	iquid (%) Hi <u>O</u>
Physical State:		Hozardous			B-BHavered
Physical State 1	M - samisold	Haz. Chav. 1		Į.	<u>8 - madium (oil) .</u>
Physical State 2	minate of the same	Maz. Char. 2	ರ್ಯಚಾರವ /ಆಗಿ /ಆಮಿ/ಪರ್ವಾ ಬಿಡು	Wildle	D:Eolid
Physical State 3		Haz Char. 3		Bottom	
Malogans:	, parties to the constitution of the constitut	AND THE PROPERTY OF THE PROPER		6	Color 1 VAR
	_   Chlorine (%) Lo	Fluorine (%) Lo	lodine (%) L	0	Zolor 2
Bromine (%) Hi	Chlorine (%) Hi	Fluorine (%) Hi	k (%) enikel	i I	ntensity
Odor Intensity <u>B-n</u>	ild	Contains Used Oil?	1000 s 3011 of	pmHO	C > 1000 ppm _
Description <u>QIL</u>	المواقعة br>المواقعة المواقعة الم			•	

Page 1 of 3

434443 WIP NO.

-7. Chemical Composition:		•	ş0	
Congonent		Lon	arith	agging of M
HAFNIUM METAL, DRY		0	. 25	%
(NOT LISTED AS RADIOACTIVE IN OUR CHEMICAL DATABASE)				
HAFNIUM METAL, DRY CONTAINED IN METAL RESIDUE		0	25	Vo.
MINERAL OIL AS CUTTING FLUID		1	4	10
NIOBIUM POWDER		Ō	25	'( )
NIOBIUM POWDER, CONTAINED IN METAL RESIDUE		0	25	%
TITANIUM METAL POWDER, DRY OR WET WITH <20% WATER		O	25	%
CONTAINED IN METAL RESIDUE			_	
WATER		0	2	. %
ZIRCONIUM METAL, DRY CONTAINED IN METAL RESIDUE		25	100	ek.
ZIRCONIUM METAL, DRY, CONTAINED IN METAL RESIDUE		25	100	%
Cilier	Vesiti	er er er er er er er		
8. Is the wastestream being imported into the USA?	No	PCB		
9. Does the westestream contain PCBs regulated by 40 CPR?	No	concent	rations	0.00
		Chinelli	CHILDYLA	D,UD ear
10.1s the wastestream subject to the Marine Pollulant Regulations?	No			
14.1s the wastestream subject to Benzene NESHAP?	No	Benzen		
if Yes, is the wastestream subject to Medification and Control Requ?		concent		0.00 pp
Does it contain >= 10% water?		TAB at I	acility:	0.00 lkg/v
12.1s the wastestream subject to RCRA subpart CC controls?	No	Vol. Org	.Cons.	
CC approved analytical method? General Knowledge?		if kac	MIN:	0.00 PPIM
13.12 the wastestream from a CERCLA or state mandated cleanup?	No			
Packaging: Bulk Type/Size Bulk Liquid: Type/Size Other: Per Month Quarter Yea		One Tim	•	_Ciher
15.Additional Information:		ر در		سرائي در
utulkandaredazesaanaizurinagaeraaningaersingaraningaziningaziningazin			companient and	
is analytical or an MSDS available that describes the waste? YesNo	. If Yes, contains appendix	please at true and I or by us	tach. accurate ang an ec	descriptions of his methylapity
.1				
Frank Hamiuton 541.72	PHONE	21/	oues people	//J/IV / DATE
Frank (Print or Type)  (1)	PHONE	<u> </u>	manage ment	//J/IV / DATE
Frank (Print or Type)  Signature  541-72	PHONE	k S	bayes	//J/IV / DATE
SIGNATURE	TILE	Ł S	bingside	e//J/IV DATE
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te:

If approved for management, and identified by this profile.

Page 2 of 3

WIP NO.

	Telf processing use only:	PPS REQUIRED?	Ne	Describe:	gangadakkangangalangangan dan produksin dan dan dan dan dan dan dan dan dan da
- 1					

of 3 WIP NO.

434443

From: Eric G Feist [mailto:eric.feist@veoliaes.com]
Sent: Thursday, September 22, 2011 12:14 PM

To: Hamilton, Frank Subject: WTI Load

Will Tuesday October 4<sup>th</sup> work for you for your metal fines?

The 85 gal OP are ok. Any of the fines that are in a 55 DM we will need to cover the material in oil.

Do you need assistance with the overpacking or to oil the metal fines?

anks

Eric Feist
Account Manager Pacific Northwest
22429 76th Ave. South
Kent, WA 98032
206-790-1890 – Cell
425-272-0777 - Fax

From: Sent:

Eric G Feist [eric.feist@veoliaes.com] Thursday, July 28, 2011 10:56 AM Hamilton, Frank

bject:

Metal fines

Wti can accept this material in 55 gal drums.

Anything over 400 lbs would need to be wetted with oil.

#### Hamilton, Frank

From:

Hamilton, Frank

Sent:

Tuesday, September 20, 2011 6:54 AM

To:

Eric G Feist

Subject:

RE: Wti shipment

The contents of this message have been archived. Click this link to retrieve the original message:

https://archive.wahchang.com/aaweb/msg.aspx?g=406b49e3-584a-4386-aeb4-bf432f0ebd7c

I have about 45 of the small 30 gallon drums of the metal fines that are ready to go.

I also have about 40 drums of metal fines in old 55 gallon barrels that I had talked to you about a few months back. You mentioned that WTI had said that they would accept the volume of this material in 55 gallon drums. These barrels are in bad shape and will need to be repackaged or over packed. I think an over pack is my first option and repackaging is my second option. Will WTI accept an over pack drum of this material?

On another note; I have an IPA drum that has a date coming up in the second week in Oct. (Possible a milkrun?)

Frank Hamilton Supervisor, Solid Waste

ATI Wah Chang 1600 NE Old Salem Highway Albany, OR 97321 www.ATImetals.com

T: 541-619-1154 F: 541-924-6874

----Original Message----

From: Eric G Feist [mailto:eric.feist@veoliaes.com] Sent: Monday, September 19, 2011 5:31 PM

To: Hamilton, Frank Subject: Wti shipment

Frank - how are you looking for your metal fines?

From:

Hamilton, Frank

Sent:

Tuesday, September 20, 2011 6:54 AM

رًا ject: Eric G Feist RE: Wti shipment

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Eric Feist
Account Manager Pacific Northwest
22429 76th Ave. South
Kent, WA 98032
206-790-1890 – Cell
425-272-0777 - Fax

## ATI WAH CHANG ANALYTICAL WORKSHEET

**UN Test N.1** 

Analyst(	•	ite(s) 7/2011		11SC 2 -11	Determination: Test Method:	Metals & Metal Powders 33.2.1.4
Sample Numb	oer: <u>EC 87</u>	<u> 130</u> Sample	e Source: <u>AT</u>	I Precision	Finishing	Zn Swaref 1/24/2
Description:_1	very for	e sompine	wet me	esal Shavie	gs in Tang	led mass
Particle Size:_	>10 N	iesh				
Air Flow (m/s	): <u>0,8</u>	Temperature	e (deg C): <u></u>	Preb	urn Time (sec):	300_
Screening Tes	t: 33.2.1.4.3.1	<u>.</u>	(200 mm < /	= 1200 sec.)	7 sec,	
Substance (D	oes)/ Does No	ot ) ignite and p	ropagate by l	burning or smol	- ,	
######################################		2255655666	20200000000		<b></b>	************
Burning Rate	Test: 33.2.1.4	.3.2				
Length (mm	n) Time (sec)	80 mm	130 mm	140 mm	180 mm	250 mm
1. <i>100</i>	7600	55	3 mm/110	sec <u>9150</u> 6	20 Sec.	<del></del>
2. <u>100</u>	7600	125/600		mm/5 sec)		
3. <u>100</u>	7600	2_2	_5_	111 <u>5/10</u> 0		
4. <u>100</u>	7600	95	95	96/600	<del> </del>	
5. <i>10</i> 0	2600	le	7	7/600		
6. <i>100</i>	<u> 2100</u>	173	175	175/6	ಶ	-
Substance ( Is	//s Not ) a re	adily combusti	ble solid of Di	ivision 4.1.		•
Packing Group						
NOTE: The recording	of false, fictitious or	fraudulent statements	or entries on this d	ocument may be punish	able as a felony under	Federal Statute.
Ambumganyanya ayaa garab dadan ka allamba da					·	
	128				Ckus	1 1/27/48
			<del>,</del>	Signature	1 //	Date Cyp

**Exhibit C** 

#### SHEWCZYK Susan

From: Morford, J. Mark [JMMORFORD@stoel.com]

ent: Thursday, May 03, 2012 11:11 PM

fo: SHEWCZYK Susan

Cc: James H. Denham (jim.denham@ATImetals.com); Lee Weber (lee.weber@ATImetals.com);

Ryan M. Bodily (ryan.bodily@ATImetals.com); Lauren McAndrews

(Lauren.McAndrews@ATIMetals.com); Tichenor, Geoffrey

Subject: Notice of Removal of drums at WTI

Susan,

Your information request asks Wah Chang to provide you 10 days advance notice of when and how it will arrange to move the drums at WTI. Now that you are in the loop with EPA, I am hoping that you are satisfied that you know what is going on. We would prefer not to wait 10 days between the time we have a plan approved by EPA and the date we move the waste. Therefore, I am providing you this generalized notice today even though we do not yet know all the details of the project.

The wastes will be prepared for shipment by Clean Harbors. The wastes will be shipped to Chemical Waste Management Northwest's facility in Arlington. They will be prepared and transported according to plans approved in advance by EPA Region V. The exact date of shipment will depend on the date EPA approves the plans and how quickly Clean Harbors can mobilize and actually prepare the wastes for shipment. It will also depend on when DEQ approves CWMNW's proposed treatment method for the wastes. I would appreciate your acknowledgement of this email as the notice requested in your information request. We will keep you informed regarding the final plan and other details as those are provided to EPA.

Mark

#### J. Mark Morford

**STOEL RIVES LLP** | 900 SW Fifth Ave, Suite 2600 | Portland, OR 97204-1268 Direct: (503) 294-9259 | Mobile: (503) 319-1973 | Fax: (503) 220-2480

immorford@stoel.com | www.stoel.com

Gold Certified Member, Stoel Rives "Go Green" P2 SustainabilityProgram



#### Department of Environmental Quality

Western Region Salem Office 750 Front Street NE, Suite 120 Salem, OR 97301-1039 (503) 378-8240 FAX (503) 373-7944 TTY 711

April 13, 2012

Mr. Lee Weber Director of Environmental Services ATI - Wah Chang 1600 Old Salem Road PO Box 460 Albany, Oregon 97321-0460

Oregon Revised Statute (ORS) 466.195 provides that any person who generates, stores, treats, transports, disposes of or otherwise handles or has handled hazardous waste, shall upon request of any officer, employee or representative of the Department of Environmental Quality, furnish information relating to such waste and permit such person at all reasonable times to have access to and to copy all records relating to such waste. Pursuant to the authority of ORS 466.195, the Department of Environmental Quality is hereby requesting both general information and specific information pertaining to manifest # 000167371, dated December 16, 2011, which referenced waste profiles 92796-1 and/or 434443.

<u>General Information Requests</u>. For all solid waste generated at the Wah Chang facility, please provide full documentation related to:

- 1.) All exemptions and exclusions claimed by the Wah Chang facility under 40 CFR 261.4(a)(17) [Oregon Administrative Rule (OAR) 340-102-0011].
- 2.) All solid waste determinations for recycled materials under 40 CFR 261.2 through 261.6 [OAR 340-102-0011].
- 3.) A list of all by-products, wastes, or other secondary materials which are generated on-site and are recycled in any manner, including a physical and chemical description, point of generation, a description of the process that produces the recycling product, how the material is managed until recycling is complete, and any analytical information (including but not limited to results from WC mist and immersion testing and friction testing) for ignitable or reactive waste testing.
- 4.) A list of offsite generators, marketers, brokers and/or producers which have sent byproducts, co-products, or recycled media to ATI Wah Chang since January 2010. For each such shipment, provide the generating facility; a description of the process from which the material was generated; copies of the characterization profile, manifest and other documentation associated with the shipment; and any analytical results developed by Wah Chang or any other party regarding these materials.
- 5.) How material which is to be recycled is shipped to or from the Wah Chang facility. This may include, but is not necessarily limited to, trip tickets, bills of lading, manifests and other information.
- 6.) A copy of the Wah Chang facility's current Contingency Plan.
- 7.) A listing of any waste sent by ATI to AL Solutions in New Cumberland, WV since January 2009.

<u>Specific Information Requests</u>. In regards to the forty (40) drums listed on manifest # 000167371 using profile 434443 and 92796-1, provide answers to each question below including all documentation for each question individually.

Documentation should include: where the drums were generated; process generating the media; drum number(s); name and address of transportation carriers; transfer destinations; repackaging information; storage locations; drum description; dates; manifests; bills of lading; receipts; billings; weights; labeling;

placarding; trip tickets; HW records; field logs; emails; photographs; and any other documents in reference to the forty drums listed on the manifest described above.

- Please provide a list of the drums transported from ATI Wah Chang to WTI Heritage in December 2011 by listing the drum, drum number, description of contents, description and condition of the metal drum, whether it was overpacked, and if the metal drum was immersed in oil inside the overpack. Please provide this information in table form with the documents behind the table specifying which drums the supporting documents pertain to.
- **2)** It is our understanding that there is an agreement between ATI-Wah Chang and ATI-Precision Finishing, where the zirconium fines and grindings are under the control of ATI-Wah Chang, and that ATI-Wah Chang determines where these materials go for recycling. Please provide the following information.
  - a) A copy of any and all agreements, including supporting documentation, between ATI-Wah Chang and ATI-Precision Finishing.
  - b) Provide all documentation that describes how often and how much recycled material (container numbers, total weights) that was shipped directly from ATI Precision Finishing Rochester, PA to other facilities for recycling/reclamation from January 2010 until present.
  - c) Is there a way to correlate the containers to the shipping documents, such as numbers, weights, designating markings, or any other method? Please provide this documentation and explain the correlation.
  - d) Were any of the drums listed on manifest #000167371 shipped from Precision Finishing to another facility (either a recycler, or another one of their companies) and then returned to Rochester prior to shipment to ATI Wah Chang? If so, provide all documentation.
  - e) Were any zirconium fines and/or grinding material generated at any ATI facility, within the past three years present at any facilities where there was a fire, explosion or release? Discuss where it was generated and when and where the fire, explosion or release occurred.
  - f) Were the 40 drums on manifest #000167371 the same containers received at Wah Chang from Rochester, PA? Where were the forty drums on manifest #000167371 generated from and where were they stored prior to coming to ATI Wah Chang? Were the 40 drums on manifest #000167371 taken anywhere else prior to coming to ATI Wah Chang? Did the forty drums listed on the July shipping document from ATI Precision Finishing to ATI Wah Chang go anywhere else or were the drums stored anywhere else? Were the forty drums on manifest #000167371 stored at ATI Wah Chang and, if so, for how long? When were they overpacked and why?
- 3) The 40 drums were shipped from ATI Precision Finishing to ATI Wah Chang on or about July 2011.
  - a) Were the drums on the July 2011 shipping document actually generated and placed into overpack drums at ATI Precision Finishing or at ATI Wah Chang? Where were they generated? Are these the same 40 drums on manifest #000167371 or had those initial drums been consolidated with others? If the drums were consolidated, explain by drum number what was included in each drum.

- b) When these containers were received from Precision Finishing at ATI Wah Chang, what was the condition of the containers? Please provide photos, analytical, documentation, sample results, etc. for each drum.
- c) How and where were the containers stored at ATI Wah Chang? Provide inspections and photos or other documentation about the storage and condition of the drums.
- d) When was Veolia first contacted by any ATI company about the containers on the July 2011 shipping document? Provide documentation.
- e) The Department understands that the 40 drums listed on manifest #000167371 were not in good condition and required overpacking. How and when did the drums come to not be in good condition?
- **4)** ATI Wah Chang received the 40 drums listed on manifest #000167371 in order to evaluate the material and determine whether the material could be reused or recycled.
  - a) What processes or sampling was conducted or attempted to make this determination? Provide documentation.
  - b) Provide analytical results including QA/QC, all profiles, and inspection documentation specific to the 40 drums listed in manifest #000167371.
- **5)** Provide all shipments (shipping documents, trip tickets, manifests, etc.) for shipments that Veolia arranged to leave ATI Precision Finishing Rochester, PA from January 2010 until present.

#### Those records should include:

- a) All versions of all profiles set up from both Precision Finishing Rochester PA and ATI Wah Chang, through Veolia (formerly Onyx).
- b) All email between ATI Wah Chang and Veolia regarding the 40 drums on manifest #000167371 including condition, size, and material. All emails, letters, and other documentation between ATI Wah Chang and Precision Finishing Rochester, PA regarding these containers.
- c) All emails, letters, and other documentation between Precision Finishing Rochester, PA and Veolia regarding the 40 drums listed on manifest #000167371.
- **6)** In reference to manifest #0001667371 using profiles 434443 and 92796-1
  - a) Describe how and why the decision was made to transport the 40 drums on a hazardous waste manifest (manifest #000167371) if the waste profile used indicated the contents were non-hazardous?
  - b) Why were the drums in 55-gallon containers when WTI specifically required a maximum of 30 gallons and/or 400 pound per container?
- **7**) It is our understanding there were two shipments being contemplated prior to sending the 40 drums on Manifest #000167371. They included forty 30-gallon containers and forty 55-gallon containers of metal fines that were being discussed in an 09/20/2011 e-mail between Eric Feist, Veolia Environmental Services, and Frank Hamilton, ATI-Wah Chang.

- a) Were these loads consolidated, sent together, or sent at different times to WTI Heritage? Please provide documentation for both loads if not the 40 drums listed on manifest #000167371. If they were the drums listed on manifest #000167371, provide the descriptions, drum numbers and which load they came from.
- **8)** Please provide a copy of the contracts, agreements, and other documentation regarding the services provided by Veolia ES Technical Solutions, LLC (formerly Onyx) to ATI. This should include, but is not limited to, documentation of the roles and responsibilities of the parties.
- **9)** Please notify the Department ten (10) calendar days prior to moving the 32 drums from WTI Heritage to any other location. In your notification please include when, where and how ATI Wah Chang intends to send the drums that are being stored at WTI Heritage.

The Department requests a written response by April 30, 2012. Should you have any questions about the content of this letter, feel free contact me in writing or by phone at 503-378-5310.

Please send two copies of your response to:

Susan Shewczyk
Department of Environmental Quality
750 Front Street NE., Suite 120
Salem, OR 97301-1039

Sincerely,

Susan Shewczyk

Hazardous Waste Inspector

Western Region